

REMARKS

Applicants have submitted this Request for Continued Examination so that the Examiner may consider the alternate claims as modified herein. More specifically, by this amendment, Applicants have modified the independent claims in order to additionally require that there is circuitry for limiting a current value difference to less than 10% for all ejecting elements of the liquid emitting apparatus for all ink ejection operations. Applicants respectfully submit that the prior art references of record fail to provide any teaching or suggestion regarding Applicant's presently claimed subject matter as currently specified.

Applicants respectfully request reconsideration of the prior art rejections set forth by the Examiner under 35 USC sections 102 and 103. Applicants respectfully submit that the prior art references of record, whether considered alone or in combination fail to either teach or suggest the characteristic features of the present invention as now specified. More specifically, Applicants note that they have discovered an improved technique for limiting erroneous ink ejection operations for a printer by limiting the variation in applied current to the individual ink ejecting elements of each ink ejecting chamber. Applicants have demonstrated that by limiting the current difference to be less than 10 %, more repeatable and reliable results can be achieved. For example, as illustrated in Figure 18 dot placement variation during ink ejection decreases dramatically for the ink ejection operations when there is less than 10% difference in current applied to the ink ejecting elements in a ink ejection chamber.

Applicants respectfully submit that it is only the instant application which describes these unique and advantageous features. At best, the prior art cited by the Examiner indicates that under certain circumstances, during ink ejection operations there may be less than a 10% variation but

Appl. No. 10/574,152
Amdt. Dated October 12, 2010
Reply to Office Action of May 12, 2010

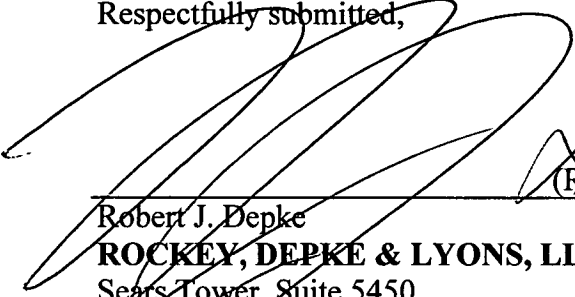
significantly, none of the references teach or suggest the specified limitations for all ink ejecting elements of a printing device as now specified.

Accordingly, in light of the foregoing, Applicants respectfully submit that all claims now stand in condition for allowance.

In the event that it is deemed necessary, the Commissioner is hereby authorized to charge any fees due or to credit any overpayment to Deposit Account No. 50-3891.

Respectfully submitted,

Date: 10/12/2010



Robert J. Depke
ROCKEY, DEPKE & LYONS, LLC
Sears Tower, Suite 5450
Chicago, Illinois 60606-6306
Tel: (312) 277-2006
Attorneys for Applicant

(Reg. #37,607)